

Docket No. 251418US2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Tohru NAKANO, et al.

SERIAL NO: 10/817,249

GAU: 2852

FILED: April 5, 2004

EXAMINER:

FOR: CLEANING UNIT, PROCESS CARTRIDGE, AND IMAGE-FORMING APPARATUS

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the claims and drawings of the application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Gregory J. Maier  
Registration No. 25,599

Customer Number

22850

Tel. (703) 413-3000

Fax. (703) 413-2220

(OSMMN 05/03)

I:\EM\EMREL\251s-252s\251418US TR. LETTER.DOC

Paul Sacher  
Registration No. 43,418

JUL 06 2004

SHEET 1 OF 5

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

## LIST OF REFERENCES CITED BY APPLICANT

ATTY DOCKET NO.  
251418US2SERIAL NO.  
10/817,249APPLICANT  
Tohru NAKANO, et al.FILING DATE  
April 5, 2004GROUP  
2852

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,270,740	12/14/93	NARUSE et al.			
	AB	5,412,413	05/02/95	SEKIYA et al.			
	AC	5,146,236	09/08/92	HIRATA et al.			
	AD	5,600,356	02/04/97	SEKIYA et al.			
	AE	5,260,723	11/09/93	NARUSE et al.			
	AF	4,800,398	01/24/89	NARUSE et al.			
	AG	4,550,321	10/29/85	SATO et al.			
	AH	4,558,995	12/17/85	FURUKAWA et al.			
	AI	4,520,367	05/28/85	ISHIKAWA et al.			
	AJ	4,535,339	08/13/85	HORIKE et al.			
	AK	4,502,055	02/26/85	HORIKE et al.			
	AL	4,510,509	04/09/85	HORIKE et al.			
	AM	4,504,844	03/12/85	EBI et al.			
	AN	4,562,442	12/31/85	JINNAI et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AW	
AX	
AY	
AZ	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251418US2		SERIAL NO. 10/817,249	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Tohru NAKANO, et al.					
		FILING DATE April 5, 2004		GROUP 2852			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,434,428	02/28/84	HORIKE et al.			
	AB	4,429,317	01/31/84	UMEZAWA et al.			
	AC	4,435,720	03/06/84	HORIKE et al.			
	AD	4,418,352	11/29/83	HORIKE et al.			
	AE	4,437,101	03/13/84	EBI et al.			
	AF	4,393,385	07/12/83	JINNAI et al.			
	AG	4,426,652	01/17/84	HORIKE et al.			
	AH	4,364,060	12/14/82	JINNAI et al.			
	AI	4,370,664	01/25/83	HORIKE et al.			
	AJ	4,395,717	07/26/83	HORIKE et al.			
	AK	4,364,061	12/14/82	HORIKE et al.			
	AL	4,365,255	12/21/82	HORIKE et al.			
	AM	4,400,705	08/23/83	HORIKE			
	AN	4,286,273	08/25/81	HORIKE			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251418US2		SERIAL NO. 10/817,249	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Tohru NAKANO, et al.					
		FILING DATE April 5, 2004		GROUP 2852			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,310,846	01/12/82	HORIKE			
	AB	4,281,332	07/28/81	HORIKE			
	AC	4,288,797	09/08/81	HORIKE et al.			
	AD	4,293,865	10/06/81	JINNAI et al.			
	AE	4,313,123	01/26/82	JINNAI et al.			
	AF	4,231,047	10/28/80	IWASAKI et al.			
	AG	4,217,595	08/12/80	HORIKE et al.			
	AH	4,228,440	10/14/80	HORIKE et al.			
	AI	4,231,048	10/28/80	HORIKE et al.			
	AJ	4,178,595	12/11/79	JINNAI et al.			
	AK	4,173,402	11/06/79	HORIKE et al.			
	AL	4,626,867	12/02/86	FURUKAWA et al.			
	AM	4,677,845	07/07/87	IZUMI et al.			
	AN	4,834,533	05/30/89	HORIKE et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251418US2	SERIAL NO. 10/817,249		
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Tohru NAKANO, et al.					
		FILING DATE April 5, 2004		GROUP 2852			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,847,631	07/11/89	NARUSE et al.			
	AB	5,508,477	04/16/96	KATO et al.			
	AC	5,818,482	10/06/98	OHTA et al.			
	AD	5,937,228	08/10/99	SHOJI et al.			
	AE	6,115,576	09/05/00	NAKANO et al.			
	AF	6,215,974	04/10/01	KATOH et al.			
	AG	6,366,751	04/02/02	SHAKUTO et al.			
	AH	6,611,672	08/26/03	AOKI et al.			
	AI	6,640,073	10/28/03	KUROTORI et al.			
	AJ	6,708,014	03/16/04	MIYAGUCHI et al.			
	AK	6,735,408	05/11/04	YOSHINO et al.			
	AL	6,738,592	05/18/04	SASAKI et al.			
	AM	6,721,523	04/13/04	SUGIURA et al.			
	AN	6,654,579	11/25/03	SHAKUTO et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW						
	AX						
	AY						
	AZ						<input type="checkbox"/> Additional References sheet(s) attached
Examiner						Date Considered	
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251418US2		SERIAL NO. 10/817,249	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT					
		Tohru NAKANO, et al.		FILING DATE		GROUP	
		April 5, 2004		2852			
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,625,409	09/23/03	SHAKUTO et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AO				YES	NO	
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



### LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/Applicant</u>
PER CLIENT#	09/374,133	08/10/99	UNKNOWN
PER CLIENT	5,270,740	12/14/93	NARUSE et al.
PER CLIENT	5,412,413	05/02/95	SEKIYA et al.
PER CLIENT	5,146,236	09/08/92	HIRATA et al.
PER CLIENT	5,600,356	02/04/97	SEKIYA et al.
PER CLIENT	5,260,723	11/09/93	NARUSE et al.
PER CLIENT	4,800,398	01/24/89	NARUSE et al.
PER CLIENT	4,550,321	10/29/85	SATO et al.
PER CLIENT	4,558,995	12/17/85	FURUKAWA et al.
PER CLIENT	4,520,367	05/28/85	ISHIKAWA et al.
PER CLIENT	4,535,339	08/13/85	HORIKE et al.
PER CLIENT	4,502,055	02/26/85	HORIKE et al.
PER CLIENT	4,510,509	04/09/85	HORIKE et al.
PER CLIENT	4,504,844	03/12/85	EBI et al.
PER CLIENT	4,562,442	12/31/85	JINNAI et al.
PER CLIENT	4,434,428	02/28/84	HORIKE et al.
PER CLIENT	4,429,317	01/31/84	UMEZAWA et al.
PER CLIENT	4,435,720	03/06/84	HORIKE et al.
PER CLIENT	4,418,352	11/29/83	HORIKE et al.
PER CLIENT	4,437,101	03/13/84	EBI et al.
PER CLIENT	4,393,385	07/12/83	JINNAI et al.

\*Present Application; listed for information

#Abandoned Application

GJM/gyy

I:\EMEMREL\251s-252s\251418US LIST.DOC

PER CLIENT	4,426,652	01/17/84	HORIKE et al.
PER CLIENT	4,364,060	12/14/82	JINNAI et al.
PER CLIENT	4,370,664	01/25/83	HORIKE et al.
PER CLIENT	4,395,717	07/26/83	HORIKE et al.
PER CLIENT	4,364,061	12/14/82	HORIKE et al.
PER CLIENT	4,365,255	12/21/82	HORIKE et al.
PER CLIENT	4,400,705	08/23/83	HORIKE
PER CLIENT	4,286,273	08/25/81	HORIKE
PER CLIENT	4,310,846	01/12/82	HORIKE
PER CLIENT	4,281,332	07/28/81	HORIKE
PER CLIENT	4,288,797	09/08/81	HORIKE et al.
PER CLIENT	4,293,865	10/06/81	JINNAI et al.
PER CLIENT	4,313,123	01/26/82	JINNAI et al.
PER CLIENT	4,231,047	10/28/80	IWASAKI et al.
PER CLIENT	4,217,595	08/12/80	HORIKE et al.
PER CLIENT	4,228,440	10/14/80	HORIKE et al.
PER CLIENT	4,231,048	10/28/80	HORIKE et al.
PER CLIENT	4,178,595	12/11/79	JINNAI et al.
PER CLIENT	4,173,402	11/06/79	HORIKE et al.
0557-0124-2	4,626,867	12/02/86	FURUKAWA et al.
0557-0238-2	4,677,845	07/07/87	IZUMI et al.
0557-0612-2	4,834,533	05/30/89	HORIKE et al.
0557-0661-2	4,847,631	07/11/89	NARUSE et al.
0557-3366-3	5,508,477	04/16/96	KATO et al.

\*Present Application; listed for information

# Abandoned Application

GJM/gyy

I:\EMEMREL\251s-252s\251418US LIST.DOC

0557-3606-3	5,818,482	10/06/98	OHTA et al.
0557-4278-2	5,937,228	08/10/99	SHOJI et al.
0557-4664-2	6,115,576	09/05/00	NAKANO et al.
0557-4667-2	6,215,974	04/10/01	KATOH et al.
197373US2	6,366,751	04/02/02	SHAKUTO et al.
213571US2	09/949,651	09/12/01	KOJIMA et al.
214327US2	6,611,672	08/26/03	AOKI et al.
216669US2DIV#	10/028,767	12/28/01	UNKNOWN
216674US2DIV#	10/028,769	12/28/01	UNKNOWN
218285US2	6,640,073	10/28/03	KUROTORI et al.
218290US2	10/050,865	01/18/02	OHTAKA et al.
220748US2	6,708,014	03/16/04	MIYAGUCHI et al.
221048US2	6,735,408	05/11/04	YOSHINO et al.
221113US2	10/107,249	03/28/02	SHAKUTO et al.
223108US2	10/143,928	05/14/02	SHAKUTO et al.
225303US2	6,738,592	05/18/04	SASAKI et al.
226957US3	10/226,344	08/23/02	SUZUKI et al.
227154US3	6,721,523	04/13/04	SUGIURA et al.
229914US2CONT	6,654,579	11/25/03	SHAKUTO et al.
229919US2CONT	6,625,409	09/23/03	SHAKUTO et al.
232793US2	10/385,535	03/12/03	MIYAGUCHI et al.
232796US2	10/394,025	03/24/03	SAKAI et al.
240093US2DIV	10/617,769	07/14/03	SASAKI et al.
251418US2*	10/817,249	04/05/04	NAKANO et al.

\*Present Application; listed for information

#Abandoned Application

GJM/gyy

I:\EMEMREL\251s-252s\251418US LIST.DOC